

CLAIMS

1) A water-base well fluid, characterized in that it comprises a lubricating compound containing at least one non-ionic amphiphilic compound obtained by reaction of at least one vegetable oil on at least one aminoalcohol.

2) A fluid as claimed in claim 1, characterized in that said vegetable oil is selected from the group consisting of linseed, safflower, grapeseed, wood, sunflower oil, or mixtures thereof.

3) A fluid as claimed in ~~any one of claims 1 and 2~~, characterized in that said vegetable oil is polymerized and has a viscosity ranging between 5 and 60 Pa.s at 20°C.

4) A fluid as claimed in ~~any one of claims 1 to 3~~, characterized in that said aminoalcohol is diethanolamine.

5) A fluid as claimed in ~~any one of claims 1 to 4~~, characterized in that the lubricating compound is conditioned in form of a mixture comprising at least one solvent.

6) A fluid as claimed in claim 5, characterized in that said solvent is a vegetable oil derivative.

7) A fluid as claimed in ~~any one of claims 5 and 6~~, characterized in that said mixture contains between 0 and 80 % by mass of solvent and preferably between 20 and 40 %.

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B2 8) A fluid as claimed in ^{*claim 1*} ~~any one of the previous claims~~, characterized in that it comprises a concentration of 0.1 to 5 % by weight of said lubricating compound.

9) A fluid as claimed in claim 8, characterized in that said concentration ranges between 0.5 and 2 % by weight.

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B2 10) A fluid as claimed in ^{*claim 1*} ~~any one of the previous claims~~, characterized in that its pH value is above 9, and preferably above 10.

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C2 11) A process for controlling the lubricating power of a water-base well fluid, characterized in that a lubricating compound as claimed ^{*claim 1*} ~~in any one of claims 1 to 9~~ is added to said fluid.

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B3 12) Application of the process as claimed in claim 11 to well fluids with a pH value above 9 and preferably above 10.

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